Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/20/2021 09:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123121	-2	1.25	123049	1.24
Blue	F	SSC	125000	122821	-2	2.70	123270	2.67
Blue	E	FITC	13131	12753	-3	2.22	294	14.90
Blue	D	PE	24112	23694	-2	1.63	544	10.34
Blue	B	PerCP-Cy5-5	31295	30425	-3	2.99	1007	13.87
Blue	A	PE-Cy7	19939	19692	-2	5.07	530	27.53
Red	C	APC	42122	41452	-2	2.99	1733	11.20
Red	A	APC-Cy7	22340	21637	-4	3.27	812	11.62
Violet	B	V450	7410	7190	-3	3.83	444	12.04
Violet	A	V500	28118	26894	-5	3.37	675	9.73

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22870	1.08	561	-8	N/A	N/A	Pass
Blue	F	SSC	57314	1.15	513	1	N/A	N/A	Pass
Blue	E	FITC	53	54.62	482	-5	0.0486	147	Pass
Blue	D	PE	113	36.61	484	-4	0.5002	373	Pass
Blue	B	PerCP-Cy5-5	188	34.30	578	-8	0.0222	74	Pass
Blue	A	PE-Cy7	108	63.54	620	-8	0.0245	0	Pass
Red	C	APC	401	23.53	576	0	0.0293	190	Pass
Red	A	APC-Cy7	183	27.13	549	-2	0.0063	973	Pass
Violet	B	V450	62	58.33	456	3	0.0634	1996	Pass
Violet	A	V500	97	31.21	466	1	0.0255	427	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.97 - 71.95	N/A	N/A	-32.30	-32.25	1.03
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.41
Red	17.02	13.60 - 20.40	N/A	N/A	30.56	30.79	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9785

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments